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1 [Development of a monitor-compatible version of APL 1130](#)
[Joel D. Kirscher, Joel D. Hail](#)

 January 1974 **APL '74**: Proceedings of the sixth international conference on
Publisher: ACM

 Full text available: [Pdf](#) (136.09 KB)

 Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 5, Download

A relocatable version of APL 1130 has been developed that allows the APL Monitor disc. Access to APL is accomplished by executing a mainline program. Modifications allow APL users to bring up ...

2 [Consistency maintenance in real-time collaborative graphics editing](#)
[Chengzheng Sun, David Chen](#)

 March 2002 **Transactions on Computer-Human Interaction (TOCHI)**
Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (480.90 KB)

 Additional Information: [full citation](#), [abstract](#)
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Real-time collaborative graphics editing systems allow a group of users to document at the same time from geographically dispersed sites. Consistency maintenance in the face of concurrent ...

Keywords: Collaborative graphics editors, GRACE, computer-supported maintenance, convergence, groupware, intention preservation, multiver

3 [A formal framework for component deployment](#)
[Yu David Liu, Scott F. Smith](#)

 October 2006 **OOPSLA '06**: Proceedings of the 21st annual ACM SIGPLAN conference on programming systems, languages, and applications

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (592.54 KB)

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Software deployment is a complex process, and industrial-strength frameworks like CORBA all provide explicit support for component deployment. However, they are based around fundamental principles as much as they are ...

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Keywords: component, deployment, version

Also published in:

October 2006 **SIGPLAN Notices** Volume 41 Issue 10

4 [Safe component updates](#)

 [Alexander Stuckenholz, Andre Osterloh](#)

October 2006 **GPCE '06: Proceedings of the 5th international conference on component engineering**

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Component updates always imply the risk of negatively influencing the system. Because of wrong combinations of component versions, dependencies may no longer exist, methods might be called or methods might not ...

Keywords: Boolean optimization, compatibility, component and system software development, system synthesis, updates

5 [Linear time 3-approximation for the MAST problem](#)

 [Vincent Berry, Christophe Paul, Sylvain Guillemot, François Nicolas](#)

March 2009 **Transactions on Algorithms (TALG)**, Volume 5 Issue 2

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (278.84 KB) Additional Information: [full citation](#), [abstract](#)

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Given a set of leaf-labeled trees with identical leaf sets, the well-known (MAST) problem consists in finding a subtree homeomorphically including the largest number of leaves. MAST and its variant ...

Keywords: Approximation algorithm, maximum agreement subtree, maximum phylogenetic tree

6 [A general approach to backwards-compatible delivery of high dynamic range images](#)

 [Greg Ward](#)

August 2008 **SIGGRAPH '08: SIGGRAPH 2008 classes**


Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (2.54 MB) Additional Information: [full citation](#), [abstract](#)

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We propose a general solution to the problem of decoding high dynamic range (HDR) images or video. Each LDR frame is converted to an HDR version, and these are compressed separately ...

7 [Upgrading transport protocols using untrusted mobile code](#)

 [Parveen Patel, Andrew Whitaker, David Wetherall, Jay Lepreau, Tim Stack](#)

December 2003 **SOSP '03: Proceedings of the nineteenth ACM symposium**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (248.86 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 51, Downloads (24 Months): 10

In this paper, we present STP, a system in which communicating end hosts can remotely upgrade each other with the transport protocols that they use. The protocols are written in a type-safe version of ...

Keywords: TCP-friendliness, deployment, implementation, transport protocols

Also published in:

December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5

8 [The design, implementation, and evaluation of a symmetric banded LU factorization for memory parallel computers](#)



Anshul Gupta, Fred G. Gustavson, Mahesh Joshi, Sivan Toledo

March 1998 **Transactions on Mathematical Software (TOMS)**, Volume 2

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (213.58 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 32, Downloads (24 Months): 10

This article describes the design, implementation, and evaluation of a parallel LU factorization of symmetric banded matrices. The algorithm is part of IBM's ESSL subroutine library version 1.2 and ...

Keywords: Banded matrices, Cholesky factorization, distributed memory

9 [Implicit phasing for R6RS libraries](#)



Abdulaziz Ghuloum, R. Kent Dybvig

October 2007 **ICFP '07: Proceedings of the 12th ACM SIGPLAN international conference on Functional programming**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (255.60 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 50, Downloads (24 Months): 10

The forthcoming Revised⁶ Report on Scheme differs from previous reports in that it is structured as a set of libraries. It also provides a syntax for defining new libraries that may export both ...

Keywords: binding phases, hygienic macros, libraries, macro expansion

Also published in:

October 2007 **SIGPLAN Notices** Volume 42 Issue 9

10 [Client-side caching for TLS](#)



Hovav Shacham, Dan Boneh, Eric Rescorla

November 2004 **Transactions on Information and System Security (TISSEC)**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (182.01 KB)


Additional Information: [full citation](#), [abstract](#)

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We propose two new mechanisms for caching handshake information or mechanism provides a client-side cache of a server's public parameters course of an initial, enabling handshake. These parameters ...

Keywords: Bloom filters, TLS, session cache, wireless networks

11 [Bl as an assertion language for mutable data structures](#)

 [Samin S. Ishtiaq](#), [Peter W. O'Hearn](#)

January 2001 **POPL '01**: Proceedings of the 28th ACM SIGPLAN-SIGACT symposium on programming languages

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (288.07 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 52, Downloads

Reynolds has developed a logic for reasoning about mutable data structures. Postconditions are written in an intuitionistic logic enriched with a spatial logic. The approach from the point of view of ...

Also published in:

March 2001 **SIGPLAN Notices** Volume 36 Issue 3

12 [Compatibility and Regression Testing of COTS-Component-Based Software](#)

[Leonardo Mariani](#), [Sofia Papagiannakis](#), [Mauro Pezze](#)

May 2007 **ICSE '07**: Proceedings of the 29th international conference on software engineering

Publisher: IEEE Computer Society


Full text available:  [Pdf](#) (243.35 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 126, Downloads

Software engineers frequently update COTS components integrated in complex systems. They often chose among many candidates produced by different vendors. This paper describes a technique for quickly identifying components that are syntactically ...

13 [Resurrecting the applet paradigm](#)

 [Eric Roberts](#)

March 2007 **SIGCSE '07**: Proceedings of the 38th SIGCSE technical symposium on computer science education

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (217.25 KB)

Additional Information: [full citation](#), [abstract](#)


Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 34, Downloads

Since the introduction of Java in 1995, educators have recognized the potential of Java as an educational resource. Sadly, the continuing evolution of Java has made it difficult to use because it is so difficult to keep those applets ...

Keywords: Java, applet, teaching resources

Also published in:

March 2007 **SIGCSE Bulletin** Volume 39 Issue 1

- 14** [iDataGuard: middleware providing a secure network drive interface](#)
 [Ravi Chandra Jammalamadaka, Roberto Gamboni, Sharad Mehrotra, Kent I Venkatasubramanian](#)

March 2008 **EDBT '08**: Proceedings of the 11th international conference on Advances in database technology

Publisher: ACM

Full text available:  [Pdf](#) (277.18 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 53, Downloads

In this demonstration, we present the design and features of *iDataGuard* security middleware that allows users to outsource their file systems to providers available on the Internet. Examples ...

- 15** [ERIC7: an experimental tool for Content-Based Image encoding and standard](#)

[L. Gagnon, S. Foucher, V. Gouaillier](#)

January 2004 **WISICT '04**: Proceedings of the winter international symposium on communication technologies

Publisher: Trinity College Dublin

Full text available:  [Pdf](#) (585.42 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 14, Downloads

ERIC7 is a software test-bed that implements Content-Based Image Retrieval MPEG-7 multimedia standard. In its current version, the system allows up to 15 color, texture and shape descriptors ...

- 16** [A Stochastic Downhill Search Algorithm for Estimating the Local False Discovery Rate](#)
[Stefanie Scheid, Rainer Spang](#)

July 2004 **IEEE/ ACM Transactions on Computational Biology and Bioinformatics** 3

Publisher: IEEE Computer Society Press

Full text available:  [Pdf](#) (974.87 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 36, Downloads

Screening for differential gene expression in microarray studies leads to problems. The local false discovery rate is a statistical concept for quantifying false discoveries. In this paper, we introduce ...

Keywords: Index Terms- Local false discovery rates, stochastic search biology and genetics.

- 17** [Co-EM support vector learning](#)

 [Ulf Brefeld, Tobias Scheffer](#)

July 2004 **ICML '04**: Proceedings of the twenty-first international conference on machine learning

Publisher: ACM

Full text available:  [Pdf](#) (315.92 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 56, Downlo


Multi-view algorithms, such as co-training and co-EM, utilize unlabeled c
be split into independent and compatible subsets. Co-EM outperforms c
requires the underlying learner to ...

18 [Distributed simulation with COTS simulation packages: a case study simulation](#)

[Navonil Mustafee](#), [Simon J. E. Taylor](#), [Korina Katsaliaki](#), [Sally Brailsford](#)

December 2006 **WSC '06**: Proceedings of the 38th conference on Winter sir

Publisher: Winter Simulation Conference


Full text available:  [Pdf](#) (279.61 KB)

Additional Information: [full citation](#), [abstrac](#)

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The UK National Blood Service (NBS) is a public funded body that is res
associated products. A discrete-event simulation of the NBS supply chai
built using the commercial off-the-shelf ...

19 [A generic serializer for mobile devices](#)

 [Mattia Monga](#), [Angelo Scotto](#)

March 2005 **SAC '05**: Proceedings of the 2005 ACM symposium on Applied

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Additional Information: [full citation](#), [abstrac](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 23, Downloa

In this paper we describe a serializer component completely realized in
stripped versions of the .NET platform (e.g., COMPACT FRAMEWORK) ar
on .NET or other CLI compatible frameworks. ...

Keywords: .NET, mobile devices, serialization

20 [Generating symmetric DFTs and equivariant FFT algorithms](#)

 [Jeremy Johnson](#), [Xu Xu](#)

July 2007 **ISSAC '07**: Proceedings of the 2007 international symposium
computation

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Additional Information: [full citation](#), [abstrac](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 41, Downloa




This paper presents a code generator which produces efficient implemer
Fourier transform (FFT) algorithms which utilize symmetries in the input
the number of arithmetic operations. The ...

Keywords: code generation, fast Fourier transform, group symmetries,
dimensional discrete fourier transform

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